

## Module 4 : Linear Equations

### Part A – Verify the slope between points

In order to verify the slope between 2 or more points, use the STAT mode.

**MODE** **2**

1:COMP 2:STAT  
3:TABLE

Once in this menu select linear form for an equation 2: A + Bx.

**2**

1:1-VAR 2:A+BX  
3:+CX<sup>2</sup> 4:ln X  
5:e<sup>X</sup> 6:A·B<sup>X</sup>  
7:A·X<sup>B</sup> 8:1/X

Enter 2 points that you are verifying the slope for (2,3) (-7,12) Enter the x coordinates in the X list and the Y coordinates in the Y list. Use the **≡** to enter the value and the arrow keys to navigate between lists.

**2** **≡** **(-)** **7** **≡** **▶** **▲** **▲** **3** **▼**  
**≡** **1** **2** **≡**

STAT  
X | Y  
2 | 3

Press the **AC** key to clear the screen and select the slope. The slope is in the STAT menu above the number 1.

**SHIFT** **1**

**÷** **CALC** **Abs** **√** **√** **5** to get to the Reg menu for the slope.

Finally press 2:B for the slope.

**2** **≡**

1:Type 2:Data  
3:Sum 4:Var  
5:Reg 6:MinMax

1:A 2:B  
3:r 4:z  
5:z

STAT  
B  
-1

